

How much money to retire?

You need 10 to 15 x your earnings to retire early

- Start savings 15% of your earnings as soon as you start earning.
- Maximize your employer's 401k retirement plan.
- Expect to need about 70% of your last annual earnings to retire.
- Budget your income and your expenses.
- Withdraw 4% of your retirement savings each year.
- Optimize for taxes.

Savings Phase				Withdrawal Phase								
Age	Earnings (inflation adjusted)	Retirement Savings	Contribution	Age	Earnings (inflation adjusted)	Retirement Savings	Contribution	Age	Total Income	Retirement Savings	Withdrawals	Social Security receipts
37	\$68,000	\$7,092	\$7,092	52	\$101,420	\$252,794	\$10,578	68	\$100,437	\$1,026,111	\$66,227	\$34,210
38	\$72,007	\$15,170	\$7,510	53	\$105,822	\$282,707	\$11,037	69	\$102,446	\$1,032,093	\$67,552	\$34,894
39	\$78,161	\$24,491	\$8,152	54	\$105,481	\$314,815	\$11,002	70	\$104,495	\$1,035,984	\$68,903	\$35,592
40	\$74,668	\$34,144	\$7,788	55	\$115,267	\$350,334	\$12,022	71	\$106,585	\$1,038,449	\$70,281	\$36,304
41	\$74,506	\$44,498	\$7,771	56	\$112,959	\$388,263	\$11,782	72	\$108,716	\$1,038,963	\$71,686	\$37,030
42	\$80,585	\$56,256	\$8,405	57	\$113,807	\$429,102	\$11,870	73	\$110,891	\$1,037,369	\$73,120	\$37,771
43	\$79,617	\$68,792	\$8,304	58	\$121,465	\$473,782	\$12,669	74	\$113,108	\$1,033,502	\$74,583	\$38,526
44	\$84,736	\$82,795	\$8,838	59	\$123,755	\$521,501	\$12,908	75	\$115,371	\$1,027,193	\$76,074	\$39,296
45	\$89,350	\$98,324	\$9,319	60	\$120,168	\$571,802	\$12,534	76	\$117,678	\$1,018,265	\$77,596	\$40,082
46	\$96,016	\$115,708	\$10,014	61	\$119,972	\$625,115	\$12,513	77	\$120,032	\$1,006,534	\$79,148	\$40,884
47	\$93,896	\$134,168	\$9,793	62	\$129,710	\$682,584	\$13,529	78	\$122,432	\$991,813	\$80,731	\$41,702
48	\$93,076	\$153,916	\$9,708	63	\$128,539	\$743,251	\$13,407	79	\$124,881	\$973,907	\$82,345	\$42,536
49	\$99,846	\$175,840	\$10,414	64	\$137,108	\$808,219	\$14,300	80	\$127,379	\$952,614	\$83,992	\$43,386
50	\$100,542	\$199,473	\$10,487	65	\$151,351	\$878,246	\$15,786	81	\$129,926	\$927,728	\$85,672	\$44,254
51	\$105,448	\$225,378	\$10,998	66	\$132,028	\$950,026	\$13,771	82	\$132,525	\$899,039	\$87,385	\$45,139
				67	\$143,482	\$1,026,719	\$14,965	83	\$135,175	\$866,330	\$89,133	\$46,042
								84	\$137,879	\$829,379	\$90,916	\$46,963
								85	\$140,636	\$787,960	\$92,734	\$47,902
								86	\$143,449	\$741,845	\$94,589	\$48,860
								87	\$146,318	\$690,800	\$96,480	\$49,837
								88	\$149,244	\$634,588	\$98,410	\$50,834
								89	\$152,229	\$572,970	\$100,378	\$51,851
								90	\$155,274	\$505,707	\$102,386	\$52,888
								91	\$158,379	\$432,553	\$104,434	\$53,946
								92	\$161,547	\$353,267	\$106,522	\$55,025

Plan A	
Start age	37
Retirement age	68
Retirement income	70% of previous
Social Security start age	68
Contribution	10% / year
Stock returns	8% / year
Bond returns	5% / year
Employer match	4.30%
Inflation	2% / year



Savings Phase				Withdrawal Phase									
Age	Earnings (inflation adjusted)	Retirement Savings	Contribution	Age	Total Income	Retirement Savings	Withdrawals	Social Security receipts	Age	Total Income	Retirement Savings	Withdrawals	Social Security receipts
25	\$38,805	\$6,071	\$6,071	56	\$102,330	\$1,230,358	\$102,330	\$0	73	\$143,287	\$994,322	\$107,360	\$35,927
26	\$42,404	\$13,191	\$6,634	57	\$104,377	\$1,218,117	\$104,377	\$0	74	\$146,153	\$968,658	\$109,507	\$36,645
27	\$45,415	\$21,312	\$7,105	58	\$106,464	\$1,202,415	\$106,464	\$0	75	\$149,076	\$952,400	\$111,698	\$37,378
28	\$50,000	\$30,759	\$7,822	59	\$108,594	\$1,183,893	\$108,594	\$0	76	\$152,057	\$922,624	\$113,932	\$38,126
29	\$52,013	\$41,227	\$8,137	60	\$110,765	\$1,162,276	\$110,765	\$0	77	\$155,098	\$902,772	\$116,210	\$38,888
30	\$54,998	\$52,943	\$8,604	61	\$112,981	\$1,137,332	\$112,981	\$0	78	\$158,200	\$868,612	\$118,534	\$39,666
31	\$60,796	\$66,441	\$9,512	62	\$115,240	\$1,108,809	\$115,240	\$0	79	\$161,364	\$844,915	\$120,905	\$40,459
32	\$64,645	\$81,551	\$10,114	63	\$117,545	\$1,105,911	\$88,073	\$29,472	80	\$164,592	\$806,092	\$123,323	\$41,268
33	\$68,554	\$98,400	\$10,725	64	\$119,896	\$1,096,747	\$89,834	\$30,062	81	\$167,883	\$778,294	\$125,790	\$42,094
34	\$75,792	\$117,640	\$11,858	65	\$122,294	\$1,094,950	\$91,631	\$30,663	82	\$171,241	\$734,526	\$128,305	\$42,936
35	\$86,251	\$139,955	\$13,494	66	\$124,740	\$1,083,159	\$93,464	\$31,276	83	\$174,666	\$702,364	\$130,871	\$43,794
36	\$82,291	\$163,320	\$12,875	67	\$127,235	\$1,078,895	\$95,333	\$31,902	84	\$178,159	\$653,363	\$133,489	\$44,670
37	\$86,241	\$189,039	\$13,492	68	\$129,779	\$1,063,998	\$97,239	\$32,540	85	\$181,722	\$616,574	\$136,159	\$45,564
38	\$91,323	\$217,471	\$14,287	69	\$132,375	\$1,057,079	\$99,184	\$33,191	86	\$185,357	\$562,048	\$138,882	\$46,475
39	\$99,128	\$249,246	\$15,509	70	\$135,022	\$1,038,847	\$101,168	\$33,854	87	\$189,064	\$520,362	\$141,660	\$47,404
40	\$94,697	\$282,699	\$14,815	71	\$137,723	\$1,029,049	\$103,191	\$34,532	88	\$192,845	\$460,020	\$144,493	\$48,353
41	\$94,492	\$318,608	\$14,783	72	\$140,477	\$1,007,231	\$105,255	\$35,222	89	\$196,702	\$413,166	\$147,383	\$49,320
42	\$102,201	\$358,395	\$15,989						90	\$200,636	\$346,713	\$150,330	\$50,306
43	\$100,973	\$400,961	\$15,797						91	\$204,649	\$294,418	\$153,337	\$51,312
44	\$107,466	\$447,709	\$16,813						92	\$208,742	\$221,559	\$156,404	\$52,338
45	\$113,318	\$498,859	\$17,729										
46	\$121,771	\$555,145	\$19,051										
47	\$119,083	\$614,587	\$18,631										
48	\$118,043	\$677,580	\$18,468										
49	\$126,629	\$745,757	\$19,811										
50	\$127,512	\$818,150	\$19,949										
51	\$133,734	\$895,735	\$20,923										
52	\$128,625	\$976,943	\$20,123										
53	\$134,207	\$1,063,515	\$20,997										
54	\$133,776	\$1,154,699	\$20,929										
55	\$146,186	\$1,252,613	\$22,871										

Plan G	
Start age	25
Retirement age	56
Retirement income	70% of previous
Social Security start age	63
Contribution	15% / year
Stock returns	8% / year
Bond returns	5% / year
Employer match	4.30%
Inflation	2% / year